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Subject: Re: Keyboard events

Posted by [John-David T. Smith](#) on Thu, 03 Aug 2000 07:00:00 GMT

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By the way, are people aware that you can trap control keys with the hack (either version). At least for me, Control+a-z map to keys 1B-26B. C-p for print anyone? Haven't tried this one on anything but Unix. Just in case people couldn't find the post I've reattached the latest hack with this modification. Just run tt and try various keys, including control+letter and arrows. If people want to experiment along these lines on other platforms/os's, I'd be willing to collect the results and bundle the routine into something generically useable and distributable. Maybe then RSI would take notice and work to include a less hackish alternative.

JD

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```
pro catch_text,ev
  type=tag_names(ev,/STRUCTURE_NAME)
  erase
  case type of
    'WIDGET_TEXT_SEL': begin
      widget_control, ev.id, get_uvalue=ulrdo
      widget_control, ev.id,SET_TEXT_SELECT=ulrdo[4],SENSITIVE=0
      case ev.offset of
        ulrdo[0]: xyouts,.5,.5,/NORMAL,'Up',  CHARSIZE=2.,ALIGNMENT=.5
        ulrdo[1]: xyouts,.5,.5,/NORMAL,'Left',CHARSIZE=2.,ALIGNMENT=.5
        ulrdo[2]: xyouts,.5,.5,/NORMAL,'Right',CHARSIZE=2.,ALIGNMENT=.5
        ulrdo[3]: xyouts,.5,.5,/NORMAL,'Down',CHARSIZE=2.,ALIGNMENT=.5
      else:
      endcase
      widget_control, ev.id,/SENSITIVE,/INPUT_FOCUS
    end
    'WIDGET_TEXT_CH': begin
      if ev.ch le 26 then $
        xyouts,.5,.5,/NORMAL,'C-'+strtrim(ev.ch+96b,2),CHARSIZE=2., $
        ALIGNMENT=.5 $
      else $
        xyouts,.5,.5,/NORMAL,string(ev.ch),CHARSIZE=2.,ALIGNMENT=.5
      end
    endcase
end
```

end

```
pro tt_event, ev
  type=tag_names(ev,/STRUCTURE_NAME)
  widget_control, ev.top, GET_UVALUE=info
  if type eq 'WIDGET_TRACKING' then begin
    widget_control, info.key,/INPUT_FOCUS
    return
  endif

  if ev.type le 1 then widget_control, info.key,/INPUT_FOCUS
  str=string(format='(2(I2.2,.;":"))', ev.X, ev.Y)
  case ev.type of
    0:str='P'+str
    1:str='R'+str
    2:str='M'+str
    else:str='*'
  endcase
  erase
  xyouts, .5, .5,/NORMAL, str, CHARSIZE=1., ALIGNMENT=.5
end
```

```
pro tt
  base=widget_base()
  draw=widget_draw(base, XSIZE=60, YSIZE=60,/TRACKING_EVENTS,/MOTION_EVENTS, $
    /BUTTON_EVENTS)
  case !VERSION.OS_FAMILY of
    'unix': ulrdo=[1,3,5,7,4]
    'Windows': ulrdo=[1,4,6,9,5]
    else: message, 'Not supported.'
  endcase
  key=widget_text(base,/ALL_EVENTS, FRAME=0, XSIZE=2, YSIZE=3, $
    VALUE=['**', '**', '**'], EVENT_PRO='catch_text', UVALUE=ulrdo)
  widget_control, base, SET_UVALUE={draw:draw, key:key}, /REALIZE
  widget_control, key, SET_TEXT_SELECT=ulrdo[4], /INPUT_FOCUS
  XManager, 'tt', base, /NO_BLOCK
end
```

## File Attachments

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1) [tt.pro](#), downloaded 75 times

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